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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(s): ABUTALEBI, et al.

SERIAL NO.: 10/642,847

ART UNIT:

FILING DATE: 8/18/03

EXAMINER:

TITLE: METHOD AND SYSTEM FOR PROCESSING SUBBAND  
SIGNALS USING ADAPTIVE FILTERS

ATTORNEY

DOCKET NO.: 881-011446-US (PAR)

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**  
**(37 C.F.R. §1.97(b)(3))**

Sir:

This information disclosure statement is being filed before the mailing of a first Office Action on the merits.

The following information is being disclosed to the Patent and Trademark Office as information that may be material to the examination of the above-identified patent application. Applicants' Attorney is aware of the following references:

"A Flexible Filterbank Structure for Extensive Signal Manipulations in Digital Hearing Aids", Robert Brennan, et al., 1998 IEEE, pages VI-569 - VI-572

"Performance Analysis of Adaptive Filter Structures Based on Subband Decomposition", Mariane R. Petraglia, et al., 1993 IEEE, pages 60-63

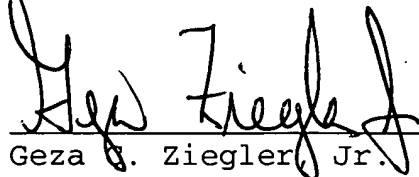
"Multirate Digital Filters, Filter Banks, Polyphase Networks, and Applications: A Tutorial", P.P. Vaidyanathan, 8078 Proceedings of the IEEE 78(1990) January, No. 1, New York, US, pages 56-93

Copies of these references are enclosed together with a Form PTO-1449.

The filing of this Statement is not to be construed as a representation that a search has been made regarding the claimed invention (37 C.F.R. §1.97(g)) or that no other possible material information exists. In addition, the filing of this Information Disclosure Statement is not to be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability (37 C.F.R. §1.97(h)).

The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,

  
Geza G. Ziegler, Jr.  
Reg. No. 44,004

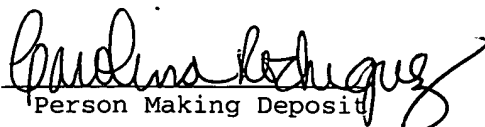
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**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date indicated below as first class mail in an envelope address to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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<b>INFORMATION DISCLOSURE CITATION FORM FOR PATENT APPLICATION (FORM PTO-1449) (Substitute)</b>			Docket No.: 881-011446-US (PAR)      Serial No.: 10/642,847  Applicant(s): ABUTALEBI, et al.  Filing Date: 8/18/03      Group:			
<b>U.S. PATENTS</b>						
Initials	Patent Number	Issue Date	Name	Class	Sub-class	Filing date
<b>U.S. PATENT PUBLICATIONS</b>						
Initials	Publication No.	Pub. Date	Name	Class	Sub-class	Filing Date
<b>FOREIGN PATENT DOCUMENTS</b>						
Initials	Document Number	Date	Country	Name	Translation? Yes/No/n/a	
<b>OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)</b>						
	"A Flexible Filterbank Structure for Extensive Signal Manipulations in Digital Hearing Aids", Robert Brennan, et al., 1998 IEEE, pages VI-569 – VI-572					
	"Performance Analysis of Adaptive Filter Structures Based on Subband Decomposition", Mariane R. Petraglia, et al., 1993 IEEE, pages 60-63					
	"Multirate Digital Filters, Filter Banks, Polyphase Networks, and Applications: A Tutorial", P.P. Vaidyanathan, 8078 Proceedings of the IEEE 78(1990) January, No. 1, New York, US, pages 56-93					
Examiner's Signature:				Date Considered:		
Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered. Include a copy of this citation form with your next correspondence to the Applicant(s).						